

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1-48. (Canceled)

49. (New) An astragal assembly for attachment to a passive door having interior and exterior surfaces opposite to one another and an outer edge extending from the exterior surface to the interior surface, the astragal assembly comprising:

a frame comprising an exterior portion, an interior portion spaced from and situated opposite to the exterior portion to establish an elongated open channel there between, and a side portion extending between the exterior portion and the interior portion and adapted to be attached to the outer edge of the passive door, the elongated open channel having a channel opening extending between the exterior portion and the interior portion and opposed to the side portion;

a wooden insert retained in the elongated open channel of the frame, the wooden insert having a groove sized to accommodate a locking mechanism; and

a strike plate hardware attached to the wooden insert and extending between the interior and exterior portions, the strike plate hardware having a strike plate opening aligned with the groove.

50. (New) The astragal assembly of claim 49, further comprising:

a gasket interconnecting the exterior portion and the side portion; and

a spacer,

wherein the interior portion comprises an interior flange extending away from where the interior portion meets the side portion for engaging the interior surface of the passive door when the astragal assembly is attached thereto,

wherein the exterior portion comprises an exterior flange opposite to the interior flange for engaging the exterior surface of the passive door when the astragal assembly is affixed thereto, and

wherein the spacer protrudes outwardly from the side portion in a direction away from the open channel and that is substantially parallel to the interior flange and substantially perpendicular to the major surface for preventing the outer edge of the passive door from contacting the major surface of the side portion of the frame and for allowing air flow between the outer edge of the passive door and the side portion of the frame when the astragal assembly is attached thereto,

51. (New) The astragal assembly of claim 49, wherein the wooden insert extends substantially the entire length of the elongated open channel.

52. (New) The astragal assembly of claim 49, wherein the wooden insert is a solid piece of wood.

53. (New) The astragal assembly of claim 49, wherein the wooden insert comprises multiple wooden strips secured within the elongated open channel.

54. (New) The astragal assembly of claim 49, wherein the wooden insert is elongated and symmetrical about its longitudinal axis.

55. (New) The astragal assembly of claim 49, wherein the frame comprises aluminum.

56. (New) The astragal assembly of claim 49, wherein the frame is metallic.

57. (New) The astragal assembly of claim 49, wherein the strike plate hardware directly contacts the wooden insert.

58. (New) The astragal assembly of claim 50, wherein the interior flange extends past the side portion for overlapping the interior surface of the passive door.

59. (New) The astragal assembly of claim 50, wherein the exterior portion includes a stop that extends from one side thereof.

60. (New) The astragal assembly of claim 59, further comprising a second gasket secured to the stop.

61. (New) The astragal assembly of claim 50, wherein the exterior flange extends past the side portion for overlapping the exterior surface of the passive door.

62. (New) The astragal assembly of claim 50, wherein the exterior flange and the interior flange extend past the side portion to define a door edge receiving opening.

63. (New) The astragal assembly of claim 50, wherein the exterior portion includes a hollow elongate tubular section, wherein the channel is formed between the interior portion and the hollow elongate tubular section.

64. (New) The astragal assembly of claim 50, wherein the gasket comprises a thermal break.

65. (New) The astragal assembly of claim 49, wherein the side portion includes preformed openings to receive fasteners for connecting the astragal to the passive door.

66. (New) The astragal assembly of claim 49, wherein the exterior portion and the interior portion each have a respective hook that extends into the channel and retains the wooden insert.

67. (New) The astragal assembly of claim 49, wherein the wooden insert comprises a first piece having a width substantially equal to a distance between the exterior portion and the interior portion and a second piece abutting the side portion.

68. (New) The astragal assembly of claim 67, wherein the second piece has a width less than the width of the first piece.

69. (New) The astragal assembly of claim 49, wherein the side portion is arranged substantially parallel to the outer edge of the passive door when the astragal assembly is affixed thereto, and the exterior portion and interior portion extend away from the outer edge of the passive door when the astragal assembly is attached thereto.

70. (New) The astragal assembly of claim 49, wherein the groove is sized to receive a dead bolt as the locking mechanism.

71. (New and withdrawn) The astragal assembly of claim 49, in combination with a double door system including the active door and the passive door, wherein the side portion of the astragal assembly is fastened to the passive door.

72. (New and withdrawn) A door assembly, comprising:
a passive door having an interior surface, an exterior surface opposite to the interior surface, and an outer edge extending from the exterior surface to the interior surface;

an active door having an outer edge, wherein the active door is mounted for movement between an open position and a closed position in which the outer edge is aligned with the outer edge of the passive door; and

an astragal assembly attached to the passive door having an interior surface,
comprising

a frame comprising an exterior portion, an interior portion spaced from and situated opposite to the exterior portion to establish an elongated open channel there between, and a side portion extending between the exterior portion and the interior portion and adapted to be attached to the outer edge of the passive door, the elongated open channel having a channel opening extending between the exterior portion and the interior portion and opposed to the side portion;

a wooden insert retained in the elongated open channel of the frame, the wooden insert having a groove sized to accommodate a locking mechanism; and

a strike plate hardware attached to the wooden insert and extending between the interior and exterior portions, the strike plate hardware having a strike plate opening aligned with the groove.

73. (New and withdrawn) The door assembly of claim 72, wherein the astragal assembly further comprises:

a gasket interconnecting the exterior portion and the side portion; and

a spacer protruding outwardly from the side portion in a direction away from the open channel and that is substantially parallel to the interior flange and substantially perpendicular to the major surface for preventing the outer edge of the passive door from contacting the major surface of the side portion of the frame and for allowing air flow between the outer edge of the passive door and the side portion of the frame,

wherein the interior portion comprises an interior flange extending away from where the interior portion meets the side portion for engaging the interior surface of the passive door, and

wherein the exterior portion comprises an exterior flange opposite to the interior flange for engaging the exterior surface of the passive door.

74. (New and withdrawn) The door assembly of claim 73, wherein the outer edge of the passive door is clamped between the interior flange and the exterior flange.

75. (New and withdrawn) The door assembly of claim 73, wherein the exterior portion comprises a hollow section.

76. (New and withdrawn) The door assembly of claim 73, wherein the side portion comprises a thermal break.

77. (New and withdrawn) The door assembly of claim 72, wherein the wooden insert has a U-shaped cross section.

78. (New and withdrawn) The door assembly of claim 72, further comprising a fastener extending through the wooden insert and the side portion into the outer edge of the passive door.

79. (New and withdrawn) The door assembly of claim 73, further comprising a second gasket coupled to the exterior portion of the astragal that abuts the active door in the closed position.

80. (New and withdrawn) The door assembly of claim 73, wherein the locking mechanism comprises a dead bolt.

81. (New) An astragal comprising:

a frame comprising an exterior portion having a first side and a second side and comprising an exterior flange extending from the first side and a stop extending from the second side, an interior portion spaced from and opposed to the exterior portion and comprising an interior flange opposite from and substantially parallel to the exterior flange, a side portion extending between the exterior portion and the interior portion, a gasket interconnecting the side portion and the exterior portion, a fastener formation disposed on a major surface of the side portion, and a spacer protruding from the major surface of the side portion in a direction that is substantially perpendicular to the major surface and substantially parallel to said interior flange; wherein the exterior portion, the interior portion, and the side portion collectively form a channel, with the spacer extending away from the channel; and

an insert member retained substantially within a channel of the frame to present an outer surface, the insert member having a groove sized to accommodate a locking mechanism; and

a strike plate hardware attached to the outer surface of the insert member and extending between the interior and exterior portions, the strike plate hardware having a strike plate opening aligned with the groove.

82. (New) The astragal of claim 81, wherein the exterior portion includes a hollow section and a hook extending into the channel that retains the insert member.

83. (New) The astragal of claim 81, wherein the interior portion includes a wall with a hook extending into the channel that retains the insert member.

84. (New) The astragal of claim 81, wherein the gasket comprises a thermal break.

85. (New) The astragal of claim 81, wherein the insert member is wooden.

86. (New) The astragal of claim 81, wherein the frame has a generally U-shaped cross section, wherein the side portion includes a fastening formation for attaching to a door edge such that the U-shaped cross section faces outward from the door edge when the astragal assembly is affixed to the door.

87. (New) The astragal of claim 81, wherein the groove is sized to receive a dead bolt as the locking mechanism.